

IN THE CLAIMS

Please add the following new claim.

30. (New) A circuit for recycling discharge current of an inductive load, the inductive load having a first terminal coupled to a first power supply terminal and a second terminal, the circuit comprising:

a regulator including:

a turn-on circuit having a first terminal coupled to the control terminal of the active element and a second terminal; and

a blocking and triggering element having a first terminal that receives a reference potential, having a second terminal that provides a turn-on signal to the second terminal of the turn-on circuit when a potential at the second terminal of the inductive load has a magnitude greater than a magnitude of the reference potential, so as to begin recycling of current through the active element and to discharge the inductive load, and having a diode that is forward biased to allow current flow through the diode when a potential at the second terminal of the inductive load has a magnitude that is greater than the magnitude of the reference potential.